

BERSENEV, A.P.
BERSENEV, A.P., insh.

Manufacturing panel parquet. Transp.stroi. 7 no.8:31-32 Ag '57.
(MIRA 10:12)

(Parquetry)

BERSENEV, A.P.
LUKOYANOV, I.D., inzh.; PETRI, V.N., doktor sel'skokhozyaystvennykh
nauk prof.; ~~BERSENEV, A.P.~~ inzh.; ALEKSEYEVA, A.V., inzh.;
MOROZOVA, M.I., inzh.

Experience in plant manufacture of sheet parquetry made of
"improved" birch. Stroi.prom. 35 no.9:38-40 S '57. (MIRA 10:10)

1.Sverdlevskiy filial Vsespyuznogo nauchno-issledovatel'-
skogo instituta po pererabotke slantsev, trest Tagilstroy.
(Parquetry)

BERSENEV, A.P.; FOKINA, A.G.

Using radioisotopes in testing wood. Der. prom. 7 no.8:11-13
Ag '58. (MIRA 11:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut promyshlennykh
sdaniy i sooruzheniy Akademii stroit'el'stva i arkhitektury SSSR.
(Radioisotopes--Industrial applications)
(Wood--Testing)

BERSENEV, A.P., kand.tekhn.nauk; KOLPAKOV, Yu.D., inzh.

Determining the moisture content of wood by its dielectric permeability. Der.prom. 9 no.12:13+14 D '60. (MIRA 13:12)
(Wood--Moisture)

KRUGLIKOV, A. A., kand. tekhn. nauk; BERSENEV, A. P., kand. tekhn. nauk; PERMIKIN, I. P., inzh.; YANOVSKAYA, W. S., inzh.

Using a urea-phenol-formaldehyde glue for making boards from wood particles. Der. prom. 12 no.2:10-11 F '63.
(MIRA 16:4)

1. Nizhne-Tagil'skiy zavod plastmass i Nauchno-issledovatel'skiy institut po stroitel'stvu v g. Sverdlovske.

(Hardboard)

BERSENEV, A. S.

27182. BERSENEV, A. S., POSVOL'SKIY, M. V. - Ratsional'naya smazka kolets krutil'nykh vaterov. Tekstil. Prom-st', 1949, No. 8. s.36-38.

SO: Letopis' Zhurnal'nykh Statey, Vol. 36, 1949

USSR/Farm Animals. General Problems.

9

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16716.

Author : Bersenev A. Ye.

Inst :

Title : Once More on the Theory of Breeding Farm Animals
(Yeshche raz o teorii razvedeniya sel'skokhozyayst-
vennykh zhivotnykh).

Orig Pub: Zhivotnovodstvo, 1957, No 7, 33-34.

Abstract: No abstract.

Card : 1/1

57-28-5-25/36

AUTHOR: Bersenev, B. V.

TITLE: Influence of Iodine Admixture on the Dielectric Constant of Amorphous Selenium (Vliyaniye primesi yoda na dielektriches-kuyu postoyannuyu amorfnogo selena)

PERIODICAL: Zhurnal Tekhnicheskoy Fiziki, 1958, Vol. 28, Nr 5, pp. 1054-1055 (USSR)

ABSTRACT: The author writes to the editor on the investigation of the dielectric constant of amorphous selenium with iodine admixtures. The following iodine concentrations in selenium were investigated: 0, 0.5, 1, 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5 atom%. The samples were produced in the shape of flat condensers. The capacity was measured at a frequency of 50 c on the a.c bridge MDP. At the same time the tangent of the loss angle was measured as well as the capacity at a frequency of from 300 ÷ 700 kc by means of a IIVeV-1 bridge. Three series of measurements were performed, all yielding the same results (Ref 1-4). Data on the series III are given in the paper. From the experimental results can be seen that the admixture of iodine essentially changes the dielectric constant of amorphous selenium at 50 c, but less so at the frequency of from 300 ÷ 700 kc. The

Card 1/2

Influence of Iodine Admixture on the Dielectric Constant
of Amorphous Selenium

57-28-5-25/36

author thanks A.V. Mal'tsev for giving the theme, and B.V. Sokolov for valuable suggestions. There are 2 figures, 2 tables, and 4 references, 3 of which are Soviet.

ASSOCIATION: Vologodskiy gosudarstvennyy pedagogicheskiy institut (Vologda State Pedagogical Institute)

SUBMITTED: August 9, 1957

1. Selenium--Dielectric properties 2. Iodine--Properties

Card 2/2

BERSENEV, G.P.

School of progressive practice in boring operations at
the Kachkanar Ore Dressing Combine. Gor. zhur. no.10:

52 0 '65.

(MIRA 18:11)

BERSENEV, G.Ye.

Speed of travel of scale cars. Izv. vys. ucheb. zav.; chern. met.
5 no.8:183-188 '62. (MIRA 15:9)

1. Ural'skiy politekhnicheskiy institut.
(Iron and steel plants--Equipment and supplies)
(Weighing machines)

DEMIDOV, Georgiy Vasil'yevich; BERSENEV, I.S., red.

[City gas works] Gorodskoe gazovoe khoziaistvo. Izd.2.,
perer. i dop. Moskva, Stroiizdat, 1964. 270 p.
(MIRA 18:1)

BERSELEV, I.I.

Tectonic areas of the Maritime Territory. Soob. IZV PAN SSSR no. 10:25-
34 '59. (MIRA 13:11)

1. Chetvertoye geologicheskoye upravleniye.
(Maritime Territory--Geology, Structural)

BERSENEV, I.I.; BUR'YANOVA, I.Z.; KAS'YAN, Ye.D.; LIKHT, F.R.

Tuff lavas of the northern Sikhote-Alin'. Trudy Lab. vulk.
no.20:136-142 '61. (MIRA 14:11)

1. Primorskoye geologicheskoye upravleniye.
(Sikhote-Alin' Range—Volcanic ash, tuff, etc.)

BERSENEV, I. I.

RYABCHENKOV, A.S.; ANTONENKO, K.I.; TITOV, N.A.; CHAPOVSKIY, Ye.G.;
CHURINOV, M.V.; KONOPLYANTSEV, A.Z.; VIKTOROV, S.V.; VOSTOKOVAYA,
Ye.A.; SADOVSKIY, N.D.; KUDELIN, B.I.; OGIL'VI, N.A.;
LUNGERSGAUZEN, G.F.; BRODSKIY, A.A.; SHCHERBAKOV, A.V.; POPOV,
V.N.; YEMEL'YANOVA, Ye.P.; SOKOLOV, S.S.; BERSENEV, I. I.; GROSHIN,
S.I.; MAKKAVEYEV, A.A.; MARINOV, N.A.; YEFIMOV, A.I.; ASSOVSKIY,
G.N.; VLADIMIROV, A.G. [deceased]; PROKHOROV, S.P.; FILIPPOVA,
B.S., red. izd-va; BYKOVA, V.V., tekhn. red.

[Methodological manual on hydrogeological surveying at the scales
of 1:1,000,000 - 1:500,000 and 1:200,000 - 1:100,000] Metodiche-
skoe rukovodstvo po gidrogeologicheskoi s"emke masshtabov
1:1000 000 - 1:500 000 i 1:200 000 - 1:100000. Pod obshchei
red. A.A.Makaveeva i A.S.Riabchenkova. Moskva, Gos. nauchno-
tekhn. izd-vo lit-ry po geol. i okhrane neдр, 1961. 318 p.
(MIRA 15:3)

1. Russia (1923- U.S.S.R.) Ministerstvo geologii i okhrany neдр.
(Water, Underground) (Geological surveys)

BERSENEV, I.I.; MOROZOVA, V.F.; SALUN, S.A.; SOKOLOVA, P.N.; SOKHIN, V.K.

New data on the stratigraphy of Quaternary alluvial, alluvium-lacustrine, and lacustrine deposits in the Maritime Territory and middle Amur Valley. Sov.geol. 5 no.9:78-86 S '62.

(MIRA 15:11)

(Maritime Territory--Alluvium)

(Amur Valley--Alluvium)

BERSENEV, I.I.

Results of geological studies of the Maritime Territory
carried out during the forty years of the Soviet regime.
Sov.geol. 5 no.11:6-14 N '62. (MIRA 15:12)
(Maritime Territory—Geology)

BERSENEV, I.I.

Thrust and shift structures in the southern part of the
Sikhote-Alin' Range. Dokl. AN SSSR 158 no.4:846-849 0 '64.
(MIRA 17:11)

1. Primorskoye geologicheskoye upravleniye. Predstavleno
akademikom A.L. Yanshiym.

BERSENEV, I.K., inzh.

Determining labor consumption for the manufacture of engines.
Trudy MAI no. 151:68-77 '62. (MIRA 15:12)

(Airplanes--Engines)

HERSENY, I.S.

Automatic control of gas pressure at city regulating stations.
Gas. prom no.6:21-28 Je '56. (MIRA 9:12)
(Automatic control) (Gas governors)

BERSENYEV, I.S.

Telemechanics in Moscow gas supply systems. Ger. khov. Mosk. 31 no.3:
22-29. Mr '57. (MIRA 10:4)

1. Glavny inzhener kontory gasoprovodov i gasoregulyatornykh stantsiy
tresta "Mosgas".

(Remote control)

(Moscow--Gas distribution)

SIDOROV, Mikhail Dmitriyevich; BERSENEV, I.S., red.; KOROGODIN, A.S.,
red.izd-vs; NAZAROVA, A.S., tekhn.red.

[Use of natural gas as fuel in industrial and municipal boiler
installations] Ispol'zovanie prirodnogo gaza kak topliva v
promyshlennyykh i kommunal'nykh kotel'nykh ustanovkakh. Moskva,
Izd-vo M-va kommun.khoz.RSFSR, 1960. 38 p.

(MIRA 14:1)

(Gas, Natural)

(Boilers)

BERSENY, I.S.

Some problems in the expansion of the gas system in Moscow. Gor.
khoz. Mosk 34 no.8:19-22 Ag '60. (MIRA 13:9)

1. Glavnyy inzhener tresta "Mosgas".
(Moscow—Gas distribution)

BERSENEV, I.S.

Gas-pressure control in gas-distribution lines. Bez.truda v prom.
6 no.1:33-34 Ja '62. (MIRA 15:1)

1. Glavnyy inzh. Tresta upravleniya gazovogo khozyaystva Ispolkoma
Mosgorsoвета.

(Gas distribution--Safety measures)

BERSENEV, I.S.

Automatic draught signal for household ovens and water heaters. Gor. khoz. Mosk. 36 no.10:41-42 0 '62. (MIRA 15:12)

1. Glavnyy inzh. Tresta gazoprovodov Upravleniya gazovogo khozyaystva Mosgorispolkoma.

(Gas appliances)

BERSENEV, Ivan Sergeyevich; KOKURIN, O.M., red. .

[Automatic and remote control in supplying gas to cities]
Avtomatika i telemekhanika v gazosnabzhenii gorodov. Moskva, Stroizdat, 1964. 170 p. (MIRA 18:3)

BERSENEV, S., yurist

Has a construction bank the right to qualify innovations?
Izobr. i rats. no.1:24 Ja '62. (MIRA 14:12)
(Construction industry--Technological innovations)

S/117/61/000/006/008/012
A004/A104

AUTHOR: Bersenev, V. N.

TITLE: News in brief

PERIODICAL: Mashinostroitel', no. 6, 1961, 29

TEXT: At the Elektrostal'skiy zavod tyazheloego mashinostroyeniya (Elektrostal' Heavy Machinery Plant) the service tests of a unique 250 mm diameter tube cold rolling mill have been terminated. The new mill is intended for the rolling of cylindrical seamless tubes from carbon and alloyed steels. It differs from similar mills of Soviet or foreign production by the high degree of mechanization and automation of the production processes. ✓

[Abstractor's note: Complete translation]

Card 1/1

BERSENEV, V.S.; Prinimali uchastiye: ZINEVICH, V.D.; MOROZOV, V.I.;
MUKHACHEV, V.S.; KAPRALOV, Ye.P.; KOLCHANOV, V.D.; BOGDANOV, A.V.;
OBUKHOVICH, I.I.; OSTROZHINSKIY, A.I.; KHROMOV, M.I.; SIVOCHUB, A.A.

Breaking a solid body with a high-pressure water jet. Zap. LGI
41 no.1:44-51 '59. (MIRA 16:5)

(Jets--Fluid dynamics)

BERSENEV, V.S.

Experimental determination of the power axis of a high-pressure
jet of water. Zap. LGI 41 no.1:88-90 '59. (MIRA 16:5)
(Jets--Fluid dynamics)

~~BERGSEV, V.S.~~, kandidat tekhnicheskikh nauk; KAL'NITSKIY, Ye.B., kandidat tekhnicheskikh nauk; SOROKO, V.V., gornyy inzhener.

Experimental grounds for the use of a rotary-rubble loading machine.
Gor.zhur. no.9:47-50 S '57. (MLRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Gormash.
(Ore handling) (Mining machinery)

BERSENEV, V.S.

Breaking coal by impact. Zap. LGI 41 no.1:34-43 '59. (MIRA 16:5)
(Coal--Testing)

TYMOVSKIY, L.G., dotsent, kand.tekhn.nauk; GRACHEV, N.P., dotsent, kand.
tekhn.nauk; ~~BERSENEV, V.S., dotsent, kand.tekhn.nauk~~
~~BERSENEV, V.S., dotsent, kand.tekhn.nauk~~

Possible ways of improving the technology of open-cut mining
operations. Gor.shur. no.10:11-14 0 '60. (MIRA 13:9)

1. Leningradskiy gornyy institut.
(Strip mining)

L 10037-63

EP7(n)-2/ET(m)/EDS--AFPTC/ASD/SSD--Pu-4

ACCESSION NR: AR3000347

S/0058/63/000/004/A049/A049

SOURCE: RZh. Fizika, Abs. 4A392

AUTHOR: Bersenev, Ya. T.

57

TITLE: Activation detector for pulsed beams of neutrons with energies from 0.025 ev to 14 Mev

CITED SOURCE: Sb. rabot po nekotorym vopr. dozimetrii i radiometrii ionizir. izlucheny. Vyp. 2. M., Gosatomizdat, 1961, 117-120

TOPIC TAGS: Neutron detector, silver activation

TRANSLATION: An activation detector for pulse neutron beams with energies 2.5 - 14 Mev is described (the reaction AG-109 (n, Gamma) AG-110). The induced activity of silver is measured after irradiation with the aid of a scintillation counter. The activation procedure makes it possible to register periodic short-duration fluxes of neutrons with low duty cycle from pulsed accelerators. The advantages and shortcomings of this method are discussed as compared with other

Card 1/2

L 10037-63
ACCESSION NR: AR3000347

methods for measuring neutron fluxes. Estimates are made of the accuracy of the method. Results of the experimental investigation of the possibility of the method are presented, and the main fields of its application are indicated. 0

DATE ACQ: 14May63

ENCL: 00

SUB CODE: PH

bm/Kib
Card 2/2

ACCESSION NR: AR4040814

S/0058/64/000/005/A039/A039

SOURCE: Ref. zh. Fizika, Abs. 5A317

AUTHOR: Bersenev, Ya. T.

TITLE: Detector of fast neutrons and gamma-radiations

CITED SOURCE: Sb. Stsintillyatory* i stsintillyats. materialy*. Khar'kov, Khar'kovsk. un-t, 1963, 155-157

TOPIC TAGS: neutron detector, radiation detector, scintillation transducer

TRANSLATION: There is described a detector intended for registration of fast neutrons and x-ray and gamma-quanta. Principle of action of neutron detector is based on registration of recoil nuclei during neutron-proton scattering. The installation for registration of neutrons consists of a scintillation transducer, a preamplifier, a basic amplifier with discriminator, and a recount instrument. The transducer of the detector is placed in a protective shield made from

Card 1/2

ACCESSION NR: AR4040814

permalloy, brass, and lead. In the transducer is used a plastic scintillator in the form of a block 75 millimeters in diameter and 80 millimeters high. The effectiveness of registration of neutrons with energy of 2.5 Mev constitutes $45 \pm 5\%$. The detector allows measurement of neutron flux having a magnitude of from 0.1 to 30 neutron/cm².sec with an accuracy of $\pm 20\%$. For registration of x-ray and gamma-quanta were used scintillation transducers with exchangeable scintillators 75 millimeters in diameter and from 2 to 8 millimeters high. In this case the scintillation transducer was used without shields. There is determined the dependence of the effectiveness of detector for gamma-quanta of several fixed energies on the height of the scintillator. The effectiveness of the detector for x-rays with an energy of 30 kev was $7.10^{-3}\%$.

SUB CODE: NP

ENCL: 00

Card 2/2

ACCESSION NR: AR4042177

S/0272/64/000/005/0181/0181

SOURCE: Ref. zh. Metrologiya i izmerit. tekhn. Otd. vy*p., Abs. 5.32.1160

AUTHOR: Bersenev, Ya. T.

TITLE: Nucleon and high-energy gamma-quanta detector

CITED SOURCE: Sb. Stsintillyatory* i stsintillyats. materialy*. Khar'kov, Khar'kovsk. un-t, 1963, 158-161

TOPIC TAGS: nucleon, gamma quantum, detector, organic scintillator, dosimetry

TRANSLATION: A nucleon and gamma-quanta detector based on the reactions $C^{12}(n, 2n)C^{11}$, $C^{12}(p, pn)C^{11}$, and $C^{12}(\text{gamma}, h)C^{11}$ in liquid and solid organic scintillators is described. The detector is used in dosimetry and makes it possible to register a flux of nucleons with energy greater than 40 Mev with a magnitude of 1 particle per second through an area of 1 cm^2 , and a flux of gamma-quanta with maximum energy of 265 Mev and a magnitude of 6000 gamma-quanta/ $\text{cm}^2 \cdot \text{sec}$. Three illustrations. Bibliography: 1 reference.

Card 1/2

1. Fast neutrons and gamma radiation.

2. Fast neutron detector, gamma radiation detector.

3. Fast neutron detector, gamma radiation detector.

4. Fast neutron detector, gamma radiation detector.

SUBJECT: NI

Cord 1/1

ENCLOSURE

BERSENEV, Ya.T.

Use of an activation detector in measuring the energy of accelerated
electrons. Uskoriteli no.5:171-174 '63. (MIRA 17:4)

BERSENEV, Ye.

Abolish the shop structure in electric power plants. Sots.trud
4 no.11:82-84 N 59. (MIRA 13:4)
(Electric power plants)

NOVIKOV, V.V., prof.; HERSENEV, Ye.I., inzh.; SKRIPKAR', L.N.

Calculating the scattering for belt lenses. Svetotekhnika 5 no.2:
17-23 F '59. (MIRA 12:1)

1.Gosudarstvennyy opticheskiy institut.
(Lenses) (Light--Scattering)

NOVIKOV, V.V., prof.; BERSENEV, Ye.I.; BARMICHEV, R.M.

Remarks concerning S.V. Batusov and D.T. Zaberezhnyi's article.
Svetotekhnika 7 no.12:23-24 D '61. (MIRA 14:12)

1. Gosudarstvennyy opticheskiy institut.
(Electric lighting) (Batusov, S.V.) (Zaberezhnyi, D.T.)

BERSENEV, Ye.S.

Device for grooving the window sash for the small hinged section
of the window. Der.prom. 9 no.6;24 Je '60. (MIRA 13:8)
(Windows) (Woodworking machinery)

BERSENEV, Ye. V.

"The Effect of Surrounding Conditions on the Vital Activities of Hibernating Bees." Cand Biol Sci, Omsk Agricultural Inst, Omsk, 1953. (RZhBiol, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13) SO: Sum 598, 29 Jul 55

ANDRIANOV, V.N., doktor tekhn.nauk; BERSENEV, Ye.Ye., inzh.; BYSTRITSKIY, D.N., kand.tekhn.nauk; GREBENNIKOV, A.F., kand.tekhn.nauk; GRETISOV, N.A., kand.tekhn.nauk; ZUYEV, V.A., kand.tekhn.nauk; KLIMOV, A.A., kand.tekhn.nauk; KOROLEV, V.F., kand.tekhn.nauk; KUDRYAVTSEV, I.F., kand.tekhn.nauk; KULIK, M.Ye., kand.tekhn.nauk; NAZAROV, G.I., kand.tekhn.nauk; OLNYNIK, N.P., inzh.; OSETRIOV, P.A., kand.tekhn.nauk; PODSOSOV, A.N., inzh.; POPOV, S.T., inzh.; PRISHCHEP, L.G., kand.tekhn.nauk; PCHILKIN, Yu.N., inzh.; RUBTSOV, P.A., kand.tekhn.nauk; RUNOV, B.A., kand.tekhn.nauk; SAVINKOV, K.P., kand.tekhn.nauk; SAZONOV, N.A., prof., doktor tekhn.nauk; SERGEYEV, A.S., inzh.; SKVORTSOV, P.F., kand.tekhn.nauk; SMIRNOV, B.V., kand.tekhn.nauk; SMIRNOV, V.I., kand.tekhn.nauk; TYMINSKIY, Ye.V., inzh.; URVACHEV, P.N., kand.tekhn.nauk; SHTRURMAN, B.A., inzh.; SHCHUROV, S.V., kand.ekon.nauk; RUNOVA, L.M., inzh.; VOL'FOVSKAYA, D.N., red.; NIKITINA, V.M., red.; BALLOD, A.I., tekhn.red.

[Manual on the use of electric power in agriculture] Spravochnik po primeneniiu elektorenergii v sel'skom khoziaistve. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 606 p. (MIRA 11:5)
(Electricity in agriculture)

ACC NR: AP6036051

SOURCE CODE: UR/0056/66/051/004/1052/1058

AUTHOR: Grazhdankina, N. P.; Bersenev, Yu. S.

ORG: Institute of Physics of Metals, AN SSSR (Institut fiziki metallov, AN SSSR)

TITLE: Effect of pressure on magnetic transformations in manganese arsenide

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 4, 1966, 1052-1058

TOPIC TAGS: pressure effect, hydrostatic pressure, magnetic effect, Neel temperature, manganese arsenide, magnetic transformation

ABSTRACT: The effect of pressures P up to $10,000 \text{ kg/cm}^2$ on the magnetic transformation temperature of manganese arsenide is investigated, the normal value being $\theta_0 = 314\text{K}$. Hydrostatic pressures $P < 2500 \text{ kg/cm}^2$ shift θ_0 towards lower temperatures. The magnitude of this effect is $d\theta_0/dP = -(16.0 \pm 0.3) \cdot 10^{-3} \text{ degree} \cdot \text{kg}^{-1} \cdot \text{cm}^2$. In the temperature range $250 \pm 270\text{K}$, pressures above 2500 kg/cm^2 produce a different phase transition, the temperature of which strongly decreases with the growth of P : $dT_*/dP = -(34 \pm 7) \cdot 10^{-3} \text{ deg. kg}^{-1} \cdot \text{cm}^2$.

Card 1/2

ACC NR: AP6036051

In this case, hydrostatic pressure leads to the formation of a new modification of manganese arsenide, which apparently possesses antiferromagnetic ordering at low temperatures. The Neel temperature of the MnAs high pressure phase grows with the temperature, $d\theta_N/dP = (222 \pm 0.07) \cdot 10^{-3} \text{ degree} \cdot \text{kg}^{-1} \cdot \text{cm}^2$.

Orig. art. has: 7 figures. [Authors' abstract]

[AM]

SUB CODE: 20, 11 / SUBM DATE: 24May66/ ORIG REF: 001/ OTH REF: 009/

Card 2/2

BERSENEVA, A., arkhitektor

New structure for cities in the Urals. Na stroi. Ros. 4 no.5:
19-20 My '63. (MIRA 16:5)
(Ural Mountain region--City planning)

Berseneva, I.I.

137-58-9313

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 75 (USSR)

AUTHORS: Yevdokimenko, A.I., Yegunov, V.S., Berseneva, I.I.,
Buntovnikov, A.S.

TITLE: Lead Smelting Process in a Shaft Furnace as Characterized by
Experimental Data (Shakhtnaya svintsovaya plavka po eksperi-
mental'nym dannym)

PERIODICAL: Sb. nauchn. tr. Gos. n. -i. in-t tsvetn. met., 1957, Nr 13,
pp 305-330

ABSTRACT: The basic factors characterizing the smelting process were
studied on an operating industrial furnace. Experimental data
were employed to represent graphically the variations in a num-
ber of characteristics (the charge level and the rate of its de-
scent, the gas pressures, air consumption, temperature, etc.).
the location of the isotherms in the furnace, and the zone in
which the charge undergoes transformation. It is established
that, as it descends, the material in the shaft becomes richer
in coke, a fact which points to the existence of a coke layer on
the bottom of the charge column. The gas pressure in the plane
of the tuyeres decreases from the periphery toward the center,

Card 1/3

137-58-5-9313

Lead Smelting Process in (cont.)

which characterizes the movement of gases in this region as that of two-dimensional filtration. The gas current directed toward the center of the furnace increases with increasing temperatures and with the rate of blowing. The temperature along the entire height of the axis of the furnace is 30-45% lower than it is along the walls, a fact which, to some extent, is characteristic of the existence of peripheral movement of gases. The burning of coke in the furnace conforms to the general theory on heterogeneous combustion of C in a layer. The zone of intense coke combustion, that is, the focal region of the furnace, has the shape of a ring situated near the periphery of the furnace and is attached to the openings of the tuyeres; it terminates appx. 800 mm above the tuyeres and varies with time. The temperature of the focal region is determined by the intensity of coke combustion, the composition and temperature of the blast, and the intensity of heat removal; maximum temperature values in the focal region amount to 1300-1650°C. The temperature in the focal region determines the temperature field in the column of material above the tuyeres. The focal region is surrounded by a relatively small region of intense slag formation; the position of this layer is determined by the temperature of fusion of the slag. In the greater part of the charge column the temperature is independent of the fusion temperature of slags and is lower than the latter. The temperature of the hearth and of outgoing liquid products is determined by the Card 2/3

137-58-5-9313

Lead Smelting Process in (cont.)

temperature and position of the focal region and by the melting points of the slag, matte, and Pb.

L. P.

1. Lead--Production
2. Lead ores--Processing
3. Slags--Properties
4. Furnaces--Thermodynamic properties

Card 3/3

ROZENTRETER, R.G.; TKACHEVA, Z.S.; BERSENEVA, N.S.

Studying the process of sintering bauxite-sulfate charges in a
rotary furnace reduction-oxidation medium. Trudy Khim.-met.inst.
Sib.otsd.AN SSSR no.15:131-144 '60. (MIRA 14:6)
(Bauxite) (Sintering)

ROZENTRETER, R.G.; BERSENEVA, N.S.; GORYUNOVA, A.A.

Sintering of aluminum silicates with limestone and a reducing agent in a pilot plant rotary furnace. Izv.Sib.otd.An SSSR no.2: 61-67 '61. (MIRA 14:3)

1. Khimiko-metallurgicheskiy institut Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(Aluminum silicate) (Limestone) (Sintering)

ROZENTRETER, R.G.; ~~BERSENEVA, M.S.~~; GORYUNOVA, A.A.

Preparing alumina by the method of sintering aluminum silicates
with limestone, soda and a reducing agent. TSvet. met. 36 no.7:
42-47 J1 '63. (MIRA 16:8)

(Aluminum-Metallurgy)

BERSENEVA, N.S.; ROZENTRETER, R.G.

Possibility of reducing the amount of limestone in sintering alumina charges with reducing agents. Izv. SO AN SSSR no.7 Ser. khim. nauk no.2:119-125 '65.

(MIRA 18:12)

1. Institut fiziko-khimicheskikh osnov pererabotki mineral'nogo syr'ya Sibirskogo otdeleniya AN SSSR, Novosibirsk. Submitted May 22, 1964.

GUIREVICH, M.I. [Hurevych, M.I.]; BERSHTEYN, S.A.; GOLOV, D.A. [Holov, D.O.]

Device for the synchronous recording of changes in oxygen tension
and tissue blood stream. Fiziol. zhur. [Ukr.] 11 no.6:840-844
N-D '65. (MIRA 19:1)

1. Laboratoriya fiziologii krovoobrashcheniya Instituta fiziologii
im. Bogomol'tsa AN UkrSSR, Kiyev.

IVANOVA, Taisiya Nikolayevna; STANKEVICH, Ye.K., mladshiy nauchnyy sotr.; TARASOVA, L.I., laborant; BARSUKOVA, I.F., laborant; PETROVA, M.I., tekhnik-kartograf; BERSENEVA, R.M., star. tekhnik-kartograf; PAFFENGOL'TS, K.N., nauchn. red.; SIMAKOVA, T.M., tekhn. red.

[Characteristics of the development of Early Paleozoic igneous activity in various structures of Tuva] Zakonmernosti razvitiia rannepaleozoiskogo magmatizma v razlichnykh strukturakh Tuvy. Moskva, Gosgeoltekhizdat, 1963. 165 p. (MIRA 17:1)

1. Otdel petrografii Vsesoyuznogo nauchno-issledovatel'skogo geologicheskogo instituta (for all except Paffengol'ts, Shmakova).

(Tuva A.S.S.R.—Rocks, Igneous)

BERSENEVA, T. (g. Barnaul)

Mobile workshops on state farms. Prom.koop. 12 no.11:16 N'58.

(MIRA 11:11)

1. Starshiy inzhener oddela bytovogo obsluzhivaniya kraypromsoвета.
(Altai Territory—Service industries)

BERSENEVA, T.

Best in the Altai Territory. Best. prom. i khud. promys.
no.5:3 My '63. (MIRA 16:7)

1. Starshiy inzh. upravleniya bytovogo obsluzhivaniya, Altayskiy
kray.

(Alati Territory—Service industries)

TURCHIN, F.V.; BERSENEVA, Z.N.; ZHIDKIKH, G.G.

Atmospheric nitrogen fixation in vitro by enzymatic preparations isolated from the nodules of legumes and from higher plants not infected with bacteria. Dokl.AN SSSR 149 no.3:731-734 Mr '63.
(MIRA 16:4)

1. Nauchnyy institut po udobreniyu i insektofungitsidam.
Predstavleno akademikom S.I.Vol'fkovichem.

(Nitrogen--Fixation) (Enzymes)

BERSHADENKO, D.D.

Tracheostomy in the prevention and treatment of acute respiratory insufficiency following an operation on the lungs.
Sov.Med. 27 no.7:27-31 JI'63. (MIRA 16:9)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. -prof. S.A.Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN SSSR)

(~~TRACHEA~~—SURGERY) (LUNGS—SURGERY)
(RESPIRATORY ORGANS—DISEASES)

BERSHADENKO, D.D.

Coronary perfusion in surgery for defects of the aortic valve;
a survey of foreign literature. Grud. khir. 6 no.5:120-125
S-O '64. (MIRA 18:4)

1. Institut serdechno-sosudistoy khirurgii (dir. - prof. S.A.
Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN
SSSR, Moskva. Adres avtora: Moskva, V-49, Leninskiy prospekt,
dom 8, Institut serdechno-sosudistoy khirurgii.

KOLESNIKOV, S.A.; TSUKERMAN, G.I.; GOLIKOV, G.T.; DOBROVA, N.B.; SMUROVA, Ye.V.;
BERSHADENKO, D.D.

Results of the use of an artificial tricuspid valve in surgical
treatment of aortal insufficiency. Grud. khir. 6 no.5:3-8 S-0
'64. (MIRA 18:4)

1. Institut serdechno-sosudistoy khirurgii (dir. - prof. S.A.
Kolesnikov; nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN
SSSR, Moskva. Adres avtorov: Moskva, V-49, Leninskiy prospekt
dom 8, Institut serdechno-sosudistoy khirurgii.

DINERSHTEYN, G.; BERSHADER, M., rukovoditel' fotokruzhka (Leninskiye
gory)

Builders master photography. Sov.foto 18 no.11:32 N '58.

(MIRA 11:12)

1. Predsedatel' pravleniya Doma kul'tury "Novator" (for Diner-
shteyn)

(Photography)

BERSHADSKAYA, N. A.

USSR/ Chemistry - Analysis

Card 1/1 Pub. 104 - 7/12

Authors : Bershadskaya, N.A.

Title : ~~Methods of analyzing ceramic raw-materials~~
: Methods of analyzing ceramic raw-materials

Periodical : Stek. 1 ker. 5, 21-22, May 1954

Abstract : Some information is given concerning methods for analyzing ceramic raw-materials for plasticity, moisture content, and other physical and chemical properties.

Institution:

Submitted:

TUROVSKIY, E.D.; KUROLAPNIK, N.B.; BERSHADSKAYA, N.A.

Mechanization of glazing of facade facing tiles. Stek.1 ker. 21
no.12:24 D '64. (MIRA 18:3)

137-58-6-13883

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 381 (USSR)

AUTHORS: Dzhaparidze, Ye.S., Bershadskaya, O.D.

TITLE: On the Problem of Determination of Silicon in Ferrobore (K voprosu opredeleniya kremniya v ferrobore)

PERIODICAL: Tr. In-ta metalla i gorn. dela. AN GruzSSR, 1957, Vol 8, pp 251-252

ABSTRACT: In determining Si in Fe-B the B is previously distilled off together with Si in the form of fluorides and, B having been determined in a separate weighed portion, Si is calculated from the difference. 0.25 - 0.5 g of FeB is placed in a weighed Pt dish and moistened with water; 10-15 cc of HF are added, then HNO_3 is added dropwise until the violent reaction ceases. 10 cc 1:1 H_2SO_4 is then added and the solution is evaporated to dryness. The dry residue is calcined at 900-1000°C for 30 min, cooled, and weighed. Fe and Ca are determined in the residue. In a separate weighed portion B is determined and the Si content is calculated from the difference. The proposed method has adequate precision. 1. Silicon--Determination 2. Boron-iron alloys--Chemical reactions 3. Boron-iron alloys--Analysis. V.N.

Card 1/1

ZHMYKOV, Ivan Nikolayevich; BERSHADSKAYA, O.I., red.; NAUMOV, K.M., tekhn. red.

[International labor and national-liberation movement during the Second World War]. Mezhdunarodnoe rabochee i natsional'no-osvoboditel'noe dvizhenie v period Vtoroi Mirovoi voyny. Moskva, Vysshaya partiinaya shkola pri TsK KPSS, 1958. 54 p. (MIRA 11:8)
(Labor and laboring classes)

BERSHADSKAYA, Ol'ga Issakovna; ZHMYKHOV, Ivan Nikolayevich; FILIPPOV,
A.N., red.; SHENSTOVA, L.M., red.

[Workers' and national-liberation movement during the years
of the First World War] Rabochee i natsional'no-osvoboditel'noe
dvizhenie v gody pervoi mirovoi voyny. Moskva, Izd-vo VPSH i
AON pri TsK KPSS, 1959. 63 p. (MIRA 12:6)
(Labor and laboring classes)

BERSHADSKIY, A.L., professor Belorusskogo lesotekhnicheskogo instituta;
CHERNYAK, I., redaktor; STEPANOVA, N., tekhnicheskoy redaktor.

[Using higher speed in sawing lumber; high-speed sawing using less power] Primenenie povyshennykh skorostei rezaniya v lesopilenii (Skorostnoye pilenie s ponizhennym energopotrebleniem). Minsk, Gos. izd-vo BSSR, 1952. 34 p. (MLRA 8:2)

1. Belorusskiy lesotekhnicheskoy institut (for Bershadskiy) (Sawmills)

BERSHADSKIY, A.L.

Sawmills

Increasing productivity by using headsaws with flattened teeth
Les. prom. 12, no. 3, 1952

BERSHAUSKIY, A.L., professor.

[Value of saws with flattened teeth in increasing the productivity of saw frames]. Znachenie pil s plinshchenymi zub'iami dlia povysheniya proizvoditel'nosti lesopil'nykh ram. Moskva, Goslesbumizdat, 1953. 21 p.

(MIRA 7:1)

(Saws)

1. BERSHADSKIY, A. L. (Prof.)
2. USSR (600)
4. Saws
7. Over-all solution of problems of high-speed sawing. Les. prom. 13, No. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

BERSHADSKIY, A.L., doktor tekhnicheskikh nauk.

Pressures acting on the cutter in working wood. Der.prom.
4 no.4:7-9 Ap '55. (MIRA 8:6)

1. Belorusskiy lesotekhnicheskiy institut
(Woodworking machinery)

134-55-0547
HERSHADSKIY, A.L., doktor tekhnicheskikh nauk

Effect of the cutting speed on the specific work in the formation
of shavings. Der.prom.4 no.9:9-12 S '55. (MLRA 8:11)

1. Belorusskiy lesotekhnicheskiy institut
(Woodwork)

~~HERSHADSKIY~~ Aleksandr I'yovich, professor; ROZHKOV, D.S., redaktor;
AGRANOVSKAYA, N.D., redaktor izdatel'stva; KOLESHIKOVA, A.P.,
tekhnicheskii redaktor

[Wood cutting] Rezanie drevesiny. Moskva, Goslesbumizdat, 1956.
328 p. (MIRA 10:2)
(Woodworking machinery)

BERSHADSKIY, A.L., doktor tekhnicheskikh nauk.

**Analysis and calculations of wood cutting processes. Der.prom. 5
no.5:6-10 My '56. (MLRA 9:8)**

**1. Belorusskiy lesotekhnicheskiy institut imeni S.M. Kirova.
(Woodwork)**

~~HERSHADSKIY~~ A.L., doktor tekhnicheskikh nauk; GUSHV, K.F., inzhener.

Increasing the productivity of circular rip saws. Der.prom.5 no.9:
6-8 S '56. (MLRA 9:10)

1. Belorusskiy lesotekhnicheskiy institut imeni S.M.Kirova.
(Saws)

BERSHADSKIY, A.L., doktor tekhnicheskikh nauk; MOISEYEV, A.V.

Regulating frame saw tension. Der. prom. 6 no.3:6-8 Mr '57.
(MLRA 10:5)

1. Belorusskiy lesotekhnicheskiy institut im. S.M. Kirova.
(Band saws)

BERSHADSKIY, A.L., prof., doktor tekhn.nauk

Increasing the output of woodworking machinery. Sbor.nauch.
trud.BLTI no.10:285-289 '57. (MIRA 11:12)
(Woodworking machinery)

TOVSTOLES, Mikhail Dmitriyevich, BERSHADSKIY, A.L. red.; FEDOROV, B.M.,
red.isd-va.; SHITS, V.P., tekhn.red.

[Cutting wood on slicing machine] Resanie drevesiny na doshchekokoreznykh
stankakh. Moskva, Goslesbumizdat, 1958. 118 p. (MIRA 11:9)
(Woodworking machinery)

BARSHADSKIY, A.L., doktor tekhn.nauk

On I.V. Kulikov's article "Stability of glued tenon joints
under working conditions". Der. prom. 7 no.10:27 0 '58.
(MIRA 11:11)

1. Belorusskiy lesotekhnicheskii institut im. S.M. Kirova.
(Joinery) :

LAPIN, Petr Ivanovich; BERSHADSKIY, A.L., red.; FEDOROV, B.M., red.
izd-va; PARAKHINA, M.L., tekhn.red.

[Hydraulic transmissions for woodworking machinery and their
use] Gidroprivod derevoobrabatyvayushchikh stankov i ego
ekspluatatsia. Moskva, Goslesbumizdat, 1960. 66 p.
(MIRA 13:7)

(Oil hydraulic machinery)

(Woodworking machinery)

BERSHADSKIY, A. L., doktor tekhn. nauk

General law for cutting wood. Der.prom. 9 no.11:9-10 N '60.

(MIRA 13:12)

(Woodwork)

(Sawmills)

FONKIN, Vadim Fedorovich; BERSHADSKIY, A.L., red.; KUPRIYANOVA, A.A.,
red. izd-va; LOBANKOVA, L.Ye., tekhn. red.

[Handbook of the machine operator and toolmaker of a woodwork-
ing enterprise] Spravochnik mastera-instrumental'shchika derevo-
obrabatyvaiushchego predpriatiia. Moskva, Goslesbumizdat, 1961.
178 p. (MIRA 14:12)

(Woodworking machinery)

BERSHADSKIY, A.L., doktor tekhn.nauk

General sawing law and its practical application. Der. prom.
10 no.8:7-10 Ag '61. (MIRA 14:8)
(Saws)

BERSHADSKIY, Aleksandr L'vovich, prof.; IVANOVSKIY, Ye.G., red.;
LEBEDEVA, I.D., red izd-va; SHIBKOVA, G.Ye., tekhn. red.

[Manual on calculations in wood cutting] Spravochnik po
raschetu rezhimov rezaniia drevesiny. Moskva, Goslesbun-
izdat, 1962. 123 p. (MIRA15:11)
(Woodworking)

BERSHADSKIY, A.L., prof.; CHERNYAK, I., red.; STEPANOVA, N.,
tekhn. red.

[Applying increased speeds of cutting to sawmilling; high-speed sawing with reduced power consumption] Primenenie povyshennykh skorostei rezaniya v lesopilenii; skorostnoe pilenie s ponizhennym energopotrebleniem. Minsk, Gos.izd-vo BSSR, 1952. 34 p. (MIRA 16:8)

(Saws)

KIRYAZHEV, Nikolay Aleksandrovich; BERSHADSKIY, A.L., red.; MAKSAKOVA, A.M., red. izd-va; KAZANSKAYA, L.I., tekhn. red.

[Cylindrical and conical wood cutting] TSilindricheskoe i konicheskoe frezerovanie drevesiny. Moskva, Goslesbumizdat, 1963. 183 p. (MIRA 17:3)

FONKIN, Vadim Fedorovich; BERSHADSKIY, A.L., red.; DONNIKOVA, A.A.,
red.izd-va; AKOPOVA, V.M., tekhn. red.

[Manual for a master toolman of a woodworking enterprise]
Spravochnik mastera-instrumental'shchika derevoobrabaty-
vaiushchego predpriatiia. Izd.2., ispr. i dop. Moskva,
Goslesbumizdat, 1963. 191 p. (MIRA 17:3)

BERSHADSKIY, B.I.

~~Two cases of aneurysm of the hepatic artery. Khirurgia no.11:80-82~~
N '53. (MLA 6:12)

(Arteries) (Aneurysms)

BERSHADSKIY, B.I.

Surgical treatment of X-ray burns. Khirurgia 32 no.3:52-57 Mr '56.

(MIRA 9:7)

(BURNS,

radiation, surg. (Rus))

(ROENTGEN RAYS, injurious effects,

burns, surg. (Rus))

BERSHADSKIY, B.L., Engineer

Odessa Machine Tool Plant imeni Lenin. "Multispindle Drilling Machine"
Stanki i Instrument, 10, nos. 10-11, 1939

BERSHADSKIY, F., arkhitektor

New aspect of collective-farm villages. Pozh.delo 5 no.4:
3-6 Ap '59. (MIRA 12:5)

1. Rukovoditel' masterskoy sel'skogo stroitel'stva Mosoblproyekta.
(Collective farms--Fires and fire prevention)

BERSHADSKIY, A.Ye.; RYZHEVSKIY, O.N.

RUMF-1 interphase level regulator. Izv.vys.ucheb.zav.;neft' i gaz
6 no.11:97-99 '63. (MIRA 17:9)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
im. akad. I.M.Gubkina.

BERSHADSKIY, A.Ye.; DIANOV, V.G.

Automation of a gasoline plant. Trudy MINKHIGP no.52:40-51 '64.
(MIRA 18:6)

DIANOV, V.G.; BERSHADSKIY, A.Ye.

Dynamic properties of thermocouples. Trudy MINKHIGP no.52:93-98
'64. (MIRA 18:6)

CHUDNOVSKIY, A.; BERSHADSKIY, F.

New methods for repairing slip rings. Mashinostroitel' no.10:12
0 '62. (MIRA 15:10)

(Machine tools—Maintenance and repair)

BERSHADSKIY, F., inzh.

Small state ~~farm~~ city near Moscow. Zhil. stroi. no.9:23-25
S '61. (MIRA 14:9)

(Podol'sk District—City planning)
(State farms) (Housing, Rural)